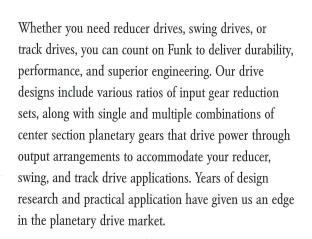
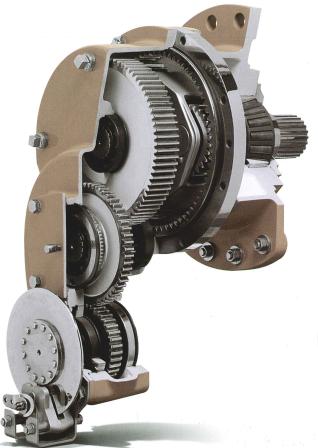
Your source for reliable Planetary Drives.

Eight models. Three types. At Funk, we offer a complete line of planetary drives for OEMs in the ag, construction, manufacturing, marine, mining, and petroleum industries.









Planetary Drive Specifications

Drive type	Series model	Output torque, lb-ft (Nm)		Ratio range	Input speed, max, rpm (1)	Maximum radial load,	Maximum input power,	Approx. weight, lbs. (kg) (3)
		Intermittent	Continuous			lbs. (Kgf) (2)	hp (kW)	120. (1.9) (0)
Speed reducer	F9R	9,500 (12,880) (4)	6,000 (8,135)	3.27 - 117:1	2800	31,500 (14,287)	36 (27)	220-400 (100-181)
	F12R	12,500 (16,948)	7,500 (10,168)	7.3 - 119:1	2800	31,500 (14,287)	48 (35)	200-270 (91-122)
	F25R	25,000 (33,895)	13,800 (18,710)	7.5 - 122:1	2800	63,000 (28,570)	95 (71)	475-580 (215-263)
	P25R	25,000 (33,895)	17,000 (23,049)	45 - 104:1	4000	_	130 (97)	315-393 (143-178)
	P40R	40,000 (54,232)	26,000 (35,251)	60 - 166:1	4000		165 (123)	711-911 (322-413)
	P65R	65,000 (88,127)	42,000 (56,944)	51 - 179:1	4000	_	185 (138)	864-1004 (392-455)
	P120R	120,000 (162,696)	65,000 (88,127)	64 - 194:1	4000	_	225 (168)	1417-1450 (643-658)
	P200R	200,000 (271,160)	105,000 (142,359)	158 - 309:1	4000	_	325 (242)	2313-2580 (1049-1170)
Swing	F12S	7,500 (10,168)		7.3 - 119:1	2800	46,000 (20,862)	48 (35)	230-300 (104-136)
	F25S	13,800 (18,710)	_	7.5 - 122:1	2800	63,000 (28,570)	95 (71)	630-710 (286-322)
	P25S	17,000 (23,049)		45 - 104:1	4000	30,000 (13,605)	130 (97)	465-543 (211-246)
	P40S	27,000 (36,607)		60 - 166:1	4000	80,000 (36,281)	165 (123)	1133-1333 (514-605)
	P65S	43,000 (58,299)		51 - 179:1	4000	90,000 (40,816)	185 (138)	1447-1587 (656-720)
	P120S	80,000 (108,464)	-	64 - 194:1	4000	150,000 (68,027)	225 (168)	2017-2077 (915-942)
Track	P25T	25,000 (33,895)	17,000 (23,049)	45 - 104:1	4000	60,000 (27,211)	130 (97)	439-517 (199-234)
	P40T	40,000 (54,232)	26,000 (35,251)	60 - 166:1	4000	80,000 (36,281)	165 (123)	1003-1143 (455-518)
	P65T	65,000 (88,127)	42,000 (56,944)	51 - 179:1	4000	110,000 (49,887)	185 (138)	1279-1419 (580-644)
	P120T	120,000 (162,696)	65,000 (88,127)	64 - 194:1	4000	230,000 (104,308)	225 (168)	2011-2044 (912-927)

⁽¹⁾ Maximum input speed related to ratio and maximum output speed.

Planetary Gear Reductions

Funk offers a wide selection of planetary gear drives to meet the needs of your design. The Funk tradition of quality engineering and manufacturing is found in each planetary drive we produce.

We offer eight basic models of planetary drives. Each series provides unique benefits that have been developed through years of design research and practical application.

Some typical applications of Funk planetary drives include conveyers, cranes, crawlers, excavators, road rollers, track vehicles,

winches, and many others in the agriculture, construction, industrial, marine, mining, and petroleum industries.

Our regional sales managers will assist you in analyzing our planetary drives and selecting the one that fits the needs of your application.

NOTE: All data and specifications subject to change without notice or obligation. Application and installation are subject to review by Funk Manufacturing.

A WARNING VEHICLE RUNAWAY HAZARD Avoid serious or fatal injury. This transmission is not a braking system. Install it only if there is a braking system capable of stopping vehicle with dead engine, disengaged transmission, or loss of hydrostatic retardation. Otherwise, vehicle may roll freely, resulting in loss of control.

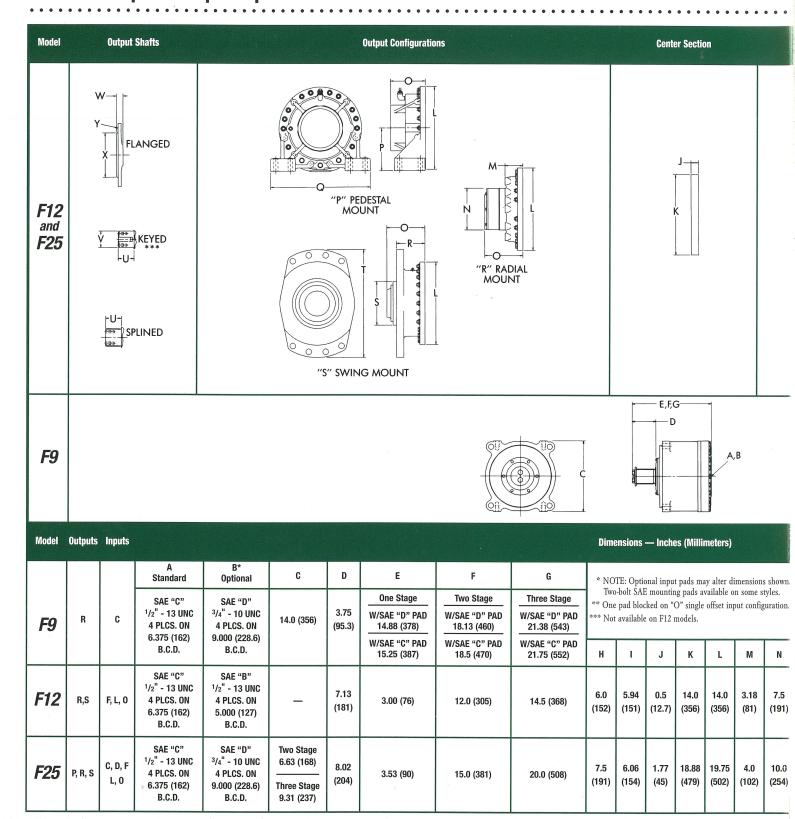


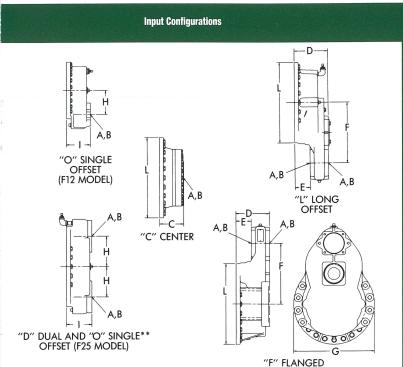
⁽²⁾ Maximum radial load placed at optimum load position.

⁽³⁾ Weight varies with configuration and ratio selected.

⁽⁴⁾ Requires tapered roller planet bearings (not available with all ratios).

F Series Input-Output Options





0	Р	Q	R	s	T	U	V	w	Х	Υ
7.18 (182)	_	_	5.18 (132)	9.25 (235)	17.0 (432)	3.75 (95.3)	Ι	1.5 (37.8)	6.25 (159)	.78 Dia. (20) 10 holes on 8.75 (222) B.C.D.
9.0 (229)	10.25 (260)	22.12 (562)	6.63 (168)	10.5 (267)	25.88 (657)	3.75 (95.3)	3.998/3.997 (101.55/101.52)	1.5 (37.8)	10.62 (270)	1.03 Dia. (26.2) 10 holes on 13.188 (335) B.C.D.

Product Information

F9 Model

Output Rotation – same as input on all models

Gear Ratios

One Stage -3.27:1, 4.89:1

Two Stage – 10.7:1, 16.0:1, 23.9:1

Three Stage – 35.0:1, 52.3:1, 78.2:1, 116.9:1

Hydraulic Motor Mounting – SAE "B," "C," or "D" 2- or 4-bolt

Input Spline – 13T, ¹⁶/₃₂P 14T, ¹²/₂₄P 13T, ⁸/₁₆P, 30° P.A.

Output Shaft – splined – 23T, 8/16P, 30° P.A.

Output Shaft – keyed – 3" (Nom.) Dia. 5/8" key width

F12 Model

O Input Configuration

Output Rotation – opposite input

Gear Ratios - 7.34:1, 10.76:1, 13.15:1, 24.14:1

Hydraulic Motor Mounting – SAE "B" 2- or 4-bolt, or SAE "C" 4-bolt

Input Spline -13T, $\frac{16}{32}$ P 14T, $\frac{12}{24}$ P, 30° P.A.

Output Shaft – splined – 29T, 8/16P, 30° P.A.

L and F Input Configurations

Output Rotation – opposite input

Gear Ratios – 19.73:1, 28.94:1, 36.22:1, 44.25:1, 53.12:1, 64.95:1, 81.22:1, 119.21

Hydraulic Motor Mounting – SAE "B" or "C," 2- or 4-bolt

Input Spline – 13T, ¹⁶/₃₂P 14T, ¹²/₂₄P, 30° P.A.

Output Shaft – splined – 29T, 8/16P, 30° P.A.

F25 Model

O and D Input Configurations

 $Output \ Rotation-opposite \ input$

Gear Ratios – 7.50:1, 11.07:1, 13.75:1, 16.43:1, 20.00:1, 24.67:1

Hydraulic Motor Mounting – SAE "C" or "D," 4-bolt

Input Spline -14T, $^{12}/_{24}P$ $\overline{13T}$, $^{8}/_{16}P$, 30° P.A.

Output Shaft – splined – 33T, 8/16P, 30° P.A.

Output Shaft – keyed – 4" (Nom.) Dia. 1" key width

L and F Input Configurations

Output Rotation - same as input

Gear Ratios – 37.00:1, 54.61:1, 81.05:1, 121.67:1

Hydraulic Motor Mounting - SAE "C" 2- or 4-bolt or SAE "D" 4-bolt

Input Spline – 14T, ¹²/₂₄P 13T, ⁸/₁₆P, 30° P.A.

Output Shaft – splined - 33T, 8/16P, 30° P.A.

Output Shaft – keyed – 4" (Nom.) Dia. 1" key width

C Input Configuration

Output Rotation - same as input

Gear Ratios – 16:35:1, 24.45:1

Hydraulic Motor Mounting – SAE "B," "C," or "D" 2- or 4-bolt

Input Spline – 13T, ¹⁶/₃₂P 14T, ¹²/₂₄P 13T, ⁸/₁₆P, 30° P.A.

Output Shaft – splined – 33T, 8/16P, 30° P.A.

Output Shaft – keyed – 4" (Nom.) Dia. 1" key width

Lubrication

Splash Lubrication

Recommended Lubricant – EP Gear Oil meeting

MIL-L-2105C or API Classification GL5

